

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: H Smith <hbs@crl.com>
Subject: [134] 40 meters is doing better
Message-ID: <Pine.SUN.3.91.951116074222.1000B-100000@crl7.crl.com>

The last two evenings while driving home, I have been hearing some European stations on 40 mtr CW around 5PM CST. Very unusual.

Yesterday I worked HA5JI, Gyuri while I was QRP with 5 watts from the mobile. He was about 579. The time was 5PM CST.

This morning I heard several JA's on 40 mtr CW around 6:30AM CST. Didn't attempt any QRP contacts, but some of them were pretty strong.

It appears that 40 is swinging back. The 5PM Europe opening is unusual. Checking the Greyline program, it was more or less greyline here but in the middle of the night in Europe.

Interesting propagation!

CUL,

Smitty, NA5K/m

Henry Smith (hbs@crl.com)

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: rflight@VNET.IBM.COM
Subject: [164] 80 meters QRP
Message-ID: <199511162218.RAA135780@nss2.CC.Lehigh.EDU>

Does anybody know where the current 80 meters miles/watt record stands?

Tnx de N3GO / Raleigh, N.C.

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: genunn@mmm.com
Subject: [188] AA0XZ fox results
Message-ID: <199511170452.AA227553921@pigseye.mmm.com>

Hi foxhunters!

This was fun, but . . . a lot harder than it looks! Between QRN, QRM, and my rather "excitable" fist and ear (I've been a ham for 6 months), this was a real challenge!

Here's the results. My log is a little tough to read (I sometimes can't read my own handwriting - I need to figure out a way to get the CQP logger to handle fox hunts :-)) If I got it wrong please let me know and I'll straighten it out. On a few I only got the call, but I think the official word earlier was an exchange of calls is enough - please let me know that is incorrect.

Time	Call	gave	received	Name	QTH
0205	AA1IK				
0210	W1HUE	549	249		
	K2NF	459		Larry	
	AB5TZ				
0218	W6ZH	569	429		
0223	W5HNS	569	589		
	NA5N		589	Paul	NM
	AB5OU	229	339	Tim	
0227	AC6IY	229	449	Greg	
	AA0YU	559	449	Allen	CO
0233	KC7AKW	569	599	John	Phoenix, AZ
	W5RMZ	559	469	Dave	Tucson, AZ
	N6ULU	579	569	Stan	CA
	AA7QY	569	579	Roger	AZ
0240	WW7Y ??				
	WB6Q ??				
	NU6U	229			
	AB5QE	569	459		
	WB6BDQ	569	579		Torrance CA QR0?
0256	WB6HQ ??				
0307	WB5QMP	549	569		
0318	N7WRQ	449	569		
0324	AB7JX	229c	339	Russ	AZ
	KB0PBQ/7	599		Don	UT QR0?
	KI0G		579	Bob	CO
0950	W03B	229	119	Bob	
0956	W5XE	559	579	Ray	

I got a loop up this afternoon, but didn't get the kinks worked out of it, so ran the dipole tonite. It slopes from about 10' to about 25' and is oriented N-S. The rig was an ICOM IC-701 (circa 1979) running about 4.5 watts.

Thanks to all the hunters, and I look forward to trying again in a couple of months!

--

Greg Nunn
Senior Systems Engineer
3M Electronic Products Division
genunn@mmm.com

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: "Timothy J. Pettibone" <tpettibo@NMSU.Edu>
Subject: [135] AB50U non-FOX rpt
Message-ID: <Pine.A32.3.91.951116085955.78568B-100000@hector>

Got home late. Turned rig on at 0245Z. Never heard the FOX but did hear part of Stan's contact. Heard lots of QRP-Lers conversing, some T00 close to suspected/announced FOX frequency - but that's just my opinion.

Later that night, worked AB7GZ, Larry in Portland, and KC6EIJ, JC in Walnut Creek. BOTH were using NORCAL 40s, one an A and one not. I was using my NORCAL 40A too! Can't recall if either is on the net (list at home). Then worked N6SYW in Monroe, LA. He wasn't using a NORCAL. Nope, instead it was an MFJ!

Golly, hard to find good QRO stations anymore!

Tim AB50U

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: amarriot@Direct.CA (Albert Daniel Marriott)
Subject: [175] Address for Small Wonder Labs
Message-ID: <199511162348.PAA11161@fun.direct.ca>

Does anyone have an address and telephone number for Small Wonder Labs? Please e-mail if you can help. Thanks.

Dan VE7CTN
e-mail: amarriot@Direct.CA

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: "Dennis Blanchard, K1YPP, CINCC" <blanchard@nac.ENET.dec.com>
Subject: [130] Another vote for handbook well done.

Message-ID: <9511161431.AA02392@us1rmc.bb.dec.com>

I have to echo LB's comments. That book at \$38 (US) is a bargain. I have purchased enough text books over the years at many times that price, that were no where near as good. Just in the number of hours spent going through it and reading all that of interest is worth it.

As LB said, I don't purchase one every year either, but this years is a must, they really put forth a supreme effort to make it their best yet, and I think they have succeeded. This price also includes a diskette with PC programs for many of the items in the handbook.

Yes, I remember when the handbook was \$5.00, but a three course meal at MacDonalds was 35 cents too.

When I have to publish the manuals for our kits, I want to cry when I see what it costs for just an 84 page document. To do something with 1400 pages at that price seems impossible.

Also, my preference is to keep it all as one book, it is everything in one place.

72'

Dennis, K1YPP

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: paxton@sound.net (frank paxton iii)
Subject: [144] boatanchors-1 address ?
Message-ID: <199511161744.LAA22921@sound.net>

i need to get a value on this PRISTINE collins 75a4 variation, last production.
what is the e-mail address for boatanchors list ?

ng0n.

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [177] Dave's address and phone number
Message-ID: <199511170135.AA12785@aplo1.spd.dsccc.com>

Al M, amarriot@direct.ca VE7CTN wrote (am>)

am> anyone have an address and telephone number for Small Wonder Labs?

Greetings Al,

On the 14th of October, Dave Benson posted his vitae to the qrp-l mail group.

Dave Benson NN1G
bensondj@aol.com
203-667-3536
Small Wonder Labs
80 E Robbins Ave
Newington, CT 06111

Enjoy,
Charles

(do you realize how hard it is for a Texas to pronounce "vitae" ?)

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: LVE1@inel.gov (Larry East)
Subject: [140] DX on 30M
Message-ID: <9511161539.AA01167@garnet.inel.gov>

Had a little extra time this morning so checked out 30M (1200 - 1230 UTC). Band was open to the pacific rim and northern europe, but not many signals heard. Worked an 9M6 (I was running 5W from my QRP+ to an inverted Vee); S9 signal on about 10.117. He was working north american and european stations, also a few JA's -- but many CQ's went unanswered. Heard a few of the EU stations, but very weak; the JA's were S7 - S9. A strong SM3 was running a pileup on 10.102; couldn't manage to work him. (A pileup on an SM3 but not on an 9M6?? -- go figure...).

Didn't have time to check 40, but have been hearing JA's and VK's other mornings around the same time.

72 and gud DX, Larry W1HUE/7
QTH: S.E. Idaho

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: LVE1@inel.gov (Larry East)
Subject: [156] Feeling disconnected...
Message-ID: <9511161912.AA05687@garnet.inel.gov>

Here it is 12:10 PM local time 11/16 and I have not received the QRP-L

digest for 11/15. Did something break?? Guess I'll have to visit the archives...

72 and listening...
Larry W1HUE/7

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: lbraden@MAIL.UTEXAS.EDU (Larry Braden)
Subject: [172] FM Detection on R2
Message-ID: <v01530501acd17ca8cfff@[128.83.173.34]>

Greeting to all ya'll QRPers -

I have pretty much decided that an R2/T2 combination will make a pretty nice and versatile station for doing all kinds of ham radio: qrp on HF, qrp weak signal on vhf and microwave.

Has anyone used the R2 receiver FM detection? If so, I would very much like to know how it is done and what modifications may be necessary to add this mode as an option. It would be nice to check into our 1.2 ghz repeater here on campus using an R2 - direct conversion FM .

Thanks,

73 Larry - KC5CWG

-----*
Larry Braden - Botany Department UT-Austin
Phone: 475-7932 lbraden@mail.utexas.edu KC5CWG
-----*

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: [165] Four Days in May (c)--lunch
Message-ID: <v02110100acd11058c6d4@[144.92.104.135]>

Gang,
First, some high compliments to Days Inn South, then a luncheon question. Stay with me on this.

I finally had time at work to call the QRP Hotel to go over arrangements for our THURSDAY Dayton qrp day. Using a pre-paid phone card, I started with Reservations, thinking that was the appropriate place. I was told I needed Catering, and when their line was busy, I was asked my number and told that THEY would call back. No problem with calling long-distance Ohio to Wisconsin. I spent a total of 2.5 minutes on the phone.

Sure enough, Allison Paton called back and we completed the conversation on their dime! Am I impressed! I don't know how long we talked, but it certainly helped the QRP-ARCI budget not to pay for the call! Great customer service.

Bob, V01DRB/WA6ERB/VE2DRB, I will send you a message with the details.

PART II--an informal poll--what would you pay for lunch during the seminar? Allison said a box lunch would be \$5.00. Locally, I've been amazed at what just a couple dollars more will get you. Would you be willing to go to \$7.50 for lunch? \$8.00? Please let me know.

Onward to Dayton,

Paulette Quick, N90UH
plquick@facstaff.wisc.edu

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: pelt@vt.edu (Randy Pelt)
Subject: [138] Fox
Message-ID: <199511161658.LAA23616@quackerjack.cc.vt.edu>

Was wondering if there is a fox tonight. Havn't seen anything posted.

```
*****
      *Ranson J. Pelt
*Internal Audit Manager
*Virginia Tech 0328
*Blacksburg, VA 24061
*(540) 231-9475 FAX (540) 231-4681
*
*QST de nz4i Semper Fi
*****
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From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [186] Fox with 500mw
Message-ID: <199511170243.TAA01017@usr4.primenet.com>

By golly, I got the fox tonight, 0241Z and he was loud! An honest 579 with my NorCal-40A running 500 milliwatts. Nice signal, Greg, in spite of KC7GNY calling CQ nearly on top of you.

72, de Roger AA7QY

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: genunn@mmm.com
Subject: [148] Fox: sked Thursday (fwd)
Message-ID: <199511161808.AA034385297@pigseye.mmm.com>

This is a repost from a few days ago with an update:

>
> Hi foxhunters!
>
> My turn in the barrel is coming up fast! I'll be on Thursday, Nov 16
> (local) from Columbia, Missouri with my venerable Icom IC-701 turned
> down to 4.5 watts. I had hoped the Explorer II would arrive in time
> to attend to the foxly task, but OHR's silkscreen difficulty has
> delayed it :-(
>
> My 40m skyloop got blown out of the trees (again) so it's back to the
> dipole (up 15 - 20', oriented roughly N-S) unless I take time out from
> deer hunting or bag a big buck before Thursday. Season opens in Missouri
> this weekend. My daughters no longer protest my hunting trips - they've
> figured out that Bambi is pretty safe from me - at least he has been so
> far :-)
>
> My schedule will be:
>
> Freq: Time UTC Time CST
> 7110+ 0200-0215 17 Nov 8:00- 8:15 PM 16 Nov
> 7040+ 0215-0400 17 Nov 8:15-10:00 PM 16 Nov
>
> The 303 QSO's I worked in SS (Chuck and others here caught me running
> in the 100 watt class) have my max rate up to 30 wpm or so, but answer me

> at whatever's comfortable for you and I'll try to match it.

Update:

Bambi is still safe. I've seen several does and one 6 point buck, but couldn't get a clean shot at him.

I was hunting near St. Louis and came out of the woods early to go to the 8th anniversary banquet of the St. Louis QRP Society. Jim N00CT of this list was kind enough to extend the invitation. What a fun and impressive group! I'm sure many from this list are familiar with their work, designing the St. Louis tuner and other projects. It was a pleasure to meet and visit with them. It's a 2 hour drive from Columbia or I'd join in an instant.

I am going to forgo the (fruitless?) search for the monster buck to string up another skyloop this afternoon. I'm going to heavier gage wire this time and will try to design in enough "give" for the occasional windstorm. I'm also switching to ladder-line feed.

Good luck tonight!

Greg AA0XZ

--

Greg Nunn
Senior Systems Engineer
3M Electronic Products Division
genunn@mmm.com

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: Bill Acito 16-Nov-1995 1321 <acito@asdg.ENABLE.com>
Subject: [153] Gap Vertical
Message-ID: <9511161837.AA25130@us1rmc.bb.dec.com>

I know we've kicked this one around a bit, but wanted to get some new info.

I currently run a Butternut vertical with tuned radials for each of the bands (1 each). I picked this up years ago for a song from a another ham who thought it was broken (just wasn't tuned right). It performs pretty well on 40, 30, and 20, so-so on 80. I've worked many of you with it.

I've been hearing both ends of the spectrum on the Gap vertical, either it's fantastic or marginal. Someone told me the QST review on it wasn't all that great.

Considering I don't really have anything invested in the Butternut, and have been thinking about the Gap, is it worth the upgrade? Will the halfwave, radial-less design out-perform the Butternutt? Is the Gap Titan really that good? Looking for theoretical or practical experience. Landlord restrictions keep the possibilities to a vertical for right now.

I'm trying to decide before we get permafrost here in southern New England. :-)

b

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS .:. qrp-ne .:. qrp-arci .:. norcal .:. arrl life .:.

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [197] Gap Vertical
Message-ID: <01BAB4C3.ADCFA940@tntech.edu>

I have been running a Gap Vertical for about 4 years now. I love it. For =
a vertical it is great. I put up a 5 band, 2 element Lightning Bolt Quad =
a couple of years ago, which is the best antenna I have ever used. =
Besides the 5 resonant bands it will tuned 30,40,80. It is poor on 40 =
and good on 30 and terrific on 80. I still use the Gap for 40 and it =
performs extremely well on that band for some reason. If you have =
limited space it is pretty hard to beat it for what it does.

73
Jeff, AC4HF

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [198] I concur...No Fox in Wi
Message-ID: <01HXQRKQGQDE0128CS@hub.qgraph.com>

I guess its so cold up here these days the foxes are hibernating....
Nothing heard in Waterford, Wi either. But had nice QSO with WB4STF who
was firing up his new homebrew QRP rig for the first time. I don't think
he's a memebre of the group. Had nice sig from Alabama but rig drifted
across band during QSO.

72,
Brian AE9K

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [158] Invitation: Try out the New Sierra at my place
Message-ID: <v02130505acd1482c158c@[199.170.106.28]>

Hi folks,

Those who are in the Bay area and are not doing anything on Saturday are
invited to stop by my QTH in Belmont to try out the new Sierra. I'm having
an open house from 12PM to 4PM. Address is 1432 Sixth Avenue. I'm buying
the beer, so please RSVP so I can buy enough for all. Optional: bring
chips or other munchies.

If you've never heard or operated a Sierra, now's your chance. The one
you'll be trying is electrically identical to the new Wilderness rig, and
is the first one to sport the new blue cabinet. It's too much fun for one
person!

73,
Wayne
N6KR

P.S. Unfortunately, there will be no special call sign for this event. :)

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: mack@mails.imed.com
Subject: [155] More DSP for R2
Message-ID: <9510168165.AA816557150@mails.imed.com>

I hope this of interest to the group. There isn't a DSP list, the topic showed up here first, the digital list is really a packet list.

Bob, N3MBY, suggested using a Hilbert transform and a FIR filter to implement the I to Q signal conversion. I had considered this type of approach but discarded it for the following reasons:

- 1) A FIR filter is incapable of performing frequency selective phase shift. It does provide for a constant time delay and only amplitude vs frequency is affected. Is this correct?
- 2) Since $d/dt(\cos(\omega t)) = -\omega \sin(\omega t)$ we could use a compound approach of a differentiator (an integrator would work too) followed by a FIR filter whose response is $1/\omega$ (ω is really greek omega). The trouble with this approach is that a differentiator or integrator is difficult to accurately implement in DSP.

Bob correctly pointed out that doing a FFT and an inverse FFT is very time consuming. I did a quick calculation on timing with the 320C26 and found that you could probably get an entire cycle of 300 Hz represented in 64 samples with a sample rate of approximately 7 KHz. (I did this last week and didn't write it down so these numbers are approximate from my memory.) Of course this totally consumes the resources of the CPU and imposes constraints on the anti-alias filters. Again, I haven't simulated any of this, and I am open to additional ideas.

Ray Mack
WD5IFS
mack@mails.imed.com

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [183] More on "power caveat"
Message-ID: <1995Nov16.204850.23784@abs.net>

Here's an update on the "increased harmonics vs. amp/filter mismatch" topic. (As you may recall, someone said they had seen increasing harmonics as the power was lowered on a rig, which gives a mismatch between the amp and the low pass filter. I then tested my Kenwood TS-670 quad-bander, running it from the rated ten watts down to a few milliwatts, and the harmonics stayed at about the same strength, in

relation to the fundamental, all the way. The TS-670 has a push pull, linear amp in the output, which inherently has low harmonics. Obviously, running it down to a few milliwatts gives a tremendous impedance mismatch between the filter and the amp.)

I just checked out a NorCal 40A, borrowed from Walt Thomas, WA4KAC, a rig which uses a class C amplifier. I monitored the power at the dummy load on an HP54600A digital, 100 MHz scope and observed the harmonics with an HP8590B spectrum analyzer (fed through a homebrew 20 dB coupler). The 50 ohm dummy load was actually a 30 dB Weinschel power attenuator, rated at 50 watts input. DC power input to the rig was kept at a constant 13.75V.

Here are the results; "dBc" is decibels relative to the carrier--a figure of -20 dBc, for instance, indicates 20 dB weaker than the carrier, which in this case is the fundamental signal. Readings are shown in order of descending power; the second one, 2.9W, is the power level that WA4KAC had the rig set for, a compromise between power output and overall efficiency. The first is the maximum power his unit will put out.

Power (watts)	2Fo	3Fo
3.4	-32 dBc	-57 dBc
2.9	-36	-63
2.1	-38	-61
0.5	-38	-58
0.22	-35	-59
0.024	-32	-54
0.00004	-27	(not visible in noise)

(40 microwatts)

I also checked the signal directly at the collector of the amp. It was a typical class C waveform; at the 2.9W level, where WA4KAC runs the rig, there was no visible harmonic distortion on the waveform. Somewhere between that level and the maximum 3.4W his rig is capable of, distortion started to appear. At levels below 2.9W there was never any distortion and the collector waveform was always perfectly clean, so the reduction in harmonic suppression at lower levels was due to some other phenomenon than increased harmonic content of the input to the filter.

Conclusions? I'll pass on that for now, since I'd like to do lots of more tests and experiments, which will take me months to get to, but at least I can report that this particular NorCal 40A remains FCC-legal on its harmonic content down into the double digit milliwatts :-). I don't know if all class C QRP rigs behave in exactly this fashion, but it would probably be fairly reasonable to

expect them to, with the harmonic suppression getting somewhat worse as the power level decreases (and mismatch between the amp and filter increases). If the harmonic suppression at the design power level (where the filter and amp impedances are matched) is sufficiently high, then you can safely decrease power considerably and still remain FCC-legal. (The FCC limit is a minimum of 30 dB below the carrier for spurious signals if running 5 watts or less; over 5 watts, it goes up to 40 dB below the fundamental, with a 50 milliwatt maximum in any case.) With proper filter design and construction (actual component values close to the required values), there should be no problems.

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ abs.net

E-Mail: Mike.Czuhajewski@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995

From: Pat Taber <ptaber@logiccraft.com>

Subject: [152] more wouff-hong...

Message-ID: <199511161837.NAA198483@nss2.CC.Lehigh.EDU>

I just noticed in Stan Skelton's recap of the story, the Old Man copied "WOUFF HONGS". The trailing "S" can extend my previous guess to "597" with a dit left over. However, I note that this version doesn't have a hyphen to work with.

Somewhere I've got a reprint of the original article. Might make a good research project....

>>>==>PStJTT

```
=====
Patrick Taber                      Email: ptaber@logiccraft.com
Principal Software Engineer        Phone: (603) 880-0300
Logiccraft Information Services    Fax: (603) 880-7229
22 Cotton Road
Nashua N.H. 03063                 Also known as: KC1TD
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From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995

From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)

Subject: [159] N.E.-QRP-C.(RENEWALS)

Message-ID: <199511162033.PAA17105@dartvax.dartmouth.edu>

>The new membership chairman for NE QRP Amateur Radio Club is

William Mc Nally AE1D
7 Blueberry Road
Windham, NH 03087

The above address is for NEW membership applications:

Last Name: First Name:
Call Sign: NE-QRP Number if Renewal
Mailing Address:
Phone Number: License Class: Age:
Former Amateur Call[s]: (Year first licensed)

Indicate whether you're a member in the following organizations:

QRP ARCI __ Michigan QRP ___ G-QRP ___ NorCal QRP ___ Other_____

What QRP awards have you won or achievements have you accomplished?

"Who are you" and what do you like about QRP? (This is important)

Please write a couple of paragraphs about yourself, and we'll pass it along to our Member's News Editor.

Indicate whether you're a member of the ARRL. Yes ___ No ___

Would you like to be an officer/director in the NE-QRP Club? Yes___ No_____

Please check the box which interests you most:

Ragchewing ____ DX ___ Contest ___ Traffic ___ Awards ___

Homebrewing ___ VHF/UHF ___ Packet___ CW ____ SSB __

RTTY ___ ATV ___ Satellite ___ HF ___

Other _____

The first year membership is \$10.00 and renewals are \$7.00 per year. Outside

Send new to above address.

Harry
WA1VVH

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [195] no FOX again, but...
Message-ID: <9511171358.AA01216@gvlf6-a>

I gotta start disconnecting the phone during the FOXhunts.

Started tuning about 0220z.. for about 10 minutes. The band sounded *very* quiet. Not much of *anything* ... Then the phone rang and that was it for the night... Didn't get of the phone until almost 0400 :-(Argggggggg..

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: K5ERJ@aol.com
Subject: [191] No Fox in KS
Message-ID: <951117062507_85585162@emout06.mail.aol.com>

Gang:

Skip was spread out last night for me, so the Fox was non-existant in KS. Columbia, MO is much to close to me for an evening 40M QS0.

I did hear AA1IK, W1HUE, K2NF and W6ZH work him before I pulled the switch. All with sigs at least 339+

72

Ed K5ERJ

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [193] OHR 20M EXP F/S
Message-ID: <9510178166.AA816623219@smtpgw.ccgate.dl.nec.com>

Dear Gang:

I am parting with my newly built Oak Hills Research 20 meter Explorer. Works very well and only used about 10 hours or so. Rumor has it that Santa is bringing a new rig for Christmas, so I need to make some room!

Original kit was \$120.00
Asking \$75.00 and I'll pay Priority Mail postage anywhere in the U.S.

This would make a great 2nd/3rd rig for somebody. I took my time and built it with TLC, worked and aligned up on 1st power up!

If interested, drop me a e-mail note:

kreinbd@ccgate.dl.nec.com

72 & CU
Dave KK5HA (Lotta Dits)

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Johnson_Dan@AAC.COM
Subject: [149] OOPS: Small Wonder, Small Parts...
Message-ID: <9511162112.22763.ad@SMROUTER.AAC.COM>

Oops, in my "Warning: defect in R/S 276-150 circuit board" post, I said:

> Instead, thought I would be productive by adding an RF-derived sidetone to the
> Small Wonders Labs Micro-30 RX. (It's a super RX, btw, equal or better on 40M
> than my IC-745. Are the Hethorns still in business?)

<BLUSH> That should read "Small Parts Center", not SWL. My remaining brain cell misfired, sorry about the confusion...

The Small Parts Center Micro-30 RX is a 30M superhet with AGC, S-meter, NE602 mixers, and a 3.27 MHz IF. Its selectivity is due to a 300 Hz 3-crystal Cohn IF filter. A converter kit adds three other bands, 40/20/15 in mine. I didn't build this one, got it from another ham, so it's been around a few years.

The docs reference Chris Hethorn/KM8X and Deb Hethorn/N8DHR at 6818 Meese Dr., Lansing MI 48911, and I was wondering whether they're still in business. Maybe I should try sending some mail, eh?

-d
Johnson_Dan@aac.com

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: jgoemans@facstaff.wisc.edu (Jane Goemans)
Subject: [189] Out-foxed in Wi.
Message-ID: <199511170457.WAA60877@audumla.students.wisc.edu>

Well, no fox RF made it to Madison, Wi. tonite, altho I was able to
"follow" Greg around just above 7040 as I could hear some of the stns
he worked, all the way from N6ULU to W03B near the end. Partial credit?

PAUL WA9PWP

Paul Goemans WA9PWP
4326 Clover Court Madison, WI 53711-4805
608-274-5143 jgoemans@facstaff.wisc.edu

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: "MIKE HERR" <mike_herr@imdgw.chinalake.navy.mil>
Subject: [167] Re- Carl and Jerry
Message-ID: <n1395588339.56296@imdgw.chinalake.navy.mil>

Hey, I do recall (barely) Carl and Jerry and have recently seen some reprints,
although I don't recall where. Seems like a book of the old stories would
really sell.

72

Mike WA6ARA

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: "MIKE HERR" <mike_herr@imdgw.chinalake.navy.mil>
Subject: [168] Re- heart palpitation city
Message-ID: <n1395588329.56346@imdgw.chinalake.navy.mil>

After reading all the responses, am I lucky or what! My XYL supports ham radio
110% . She's N6VGW (Code tech), is always asking "Don't we need a new radio?",
helps out on Field day logging, putting up antennas, built a 30 meter NN1G rig
(worked right off the bat), does local community support via ham radio(ie
bicycle races, horse rides, ATV support, etc. Not only all that, she loves to
backpack, hike and ride horses. My only worry is she going to start the
Cascade before I get to it!

72

Mike WA6ARA

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: "MIKE HERR" <mike_herr@imdgw.chinalake.navy.mil>
Subject: [169] Re- RS12/13
Message-ID: <n1395587956.77020@imdgw.chinalake.navy.mil>

Instead of a set frequency, how about a set distance above the bottom band edge, and use that on RS10 and RS15 as well?

72

Mike WA6ARA

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [142] RUN QRP-L X calls2dist urcall call2
Message-ID: <Pine.SV4.3.91.951116122321.4038D-100000@atl1>

For some of the newer folks, qrp-l is not a one dimensional mailing list. Did you know that you can send a message to listserv@lehigh.edu and in the body of the message put the following string and you will get a message back in about a minute (normally) with distance and beam heading as well as callbook address to the station you show as call2.

RUN QRP-L X calls2dist urcall call2

Try it.... Caution: DO NOT SEND TO QRP-L sent to LISTSERV@lehigh.edu. Below is one I just did, and the response I got. I use it all the time when working 2m Tropo and E skip. While I am listening to a CQ, I feed in the info and back comes all the details! Obviously good for miles per watt which is the main reason it was developed.

73/72/jim/w4qo

----- Forwarded message -----

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: KT3A@aol.com
Subject: [166] Small Parts Center
Message-ID: <951116172842_108356393@emout05.mail.aol.com>

Dan,
I called them about a year ago. They told me they were out of business for quite some time.

They were a little amused that I called.
I built their El Cheapo Keyer. It fit inside a sardine can. The paddles
were made out of
printed circuit board stock. They were nice folks to deal with.

72 de cameron, kt3a

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [184] Small Wonder Labs
Message-ID: <199511170151.BAA29843@chuck.dallas.sgi.com>

The address is:

Small Wonder Labs
Dave Benson NN1G
80 East Robbins Avenue
Newington CT 06111

Same address as the callbook. I have a phone
number, but hate to post that. Dave is on
this group.

Going to the box each day to see if the GM-30
and GM-20 have arrived.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: amarriot@Direct.CA (Albert Daniel Marriott)
Subject: [187] Small Wonders Address - got it, thanks.
Message-ID: <199511170250.SAA04460@fun.direct.ca>

Thanks very much for the help guys -got the address.

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Bill Acito 16-Nov-1995 1553 <acito@asdg.UNET.dec.com>

Subject: [162] Verticals

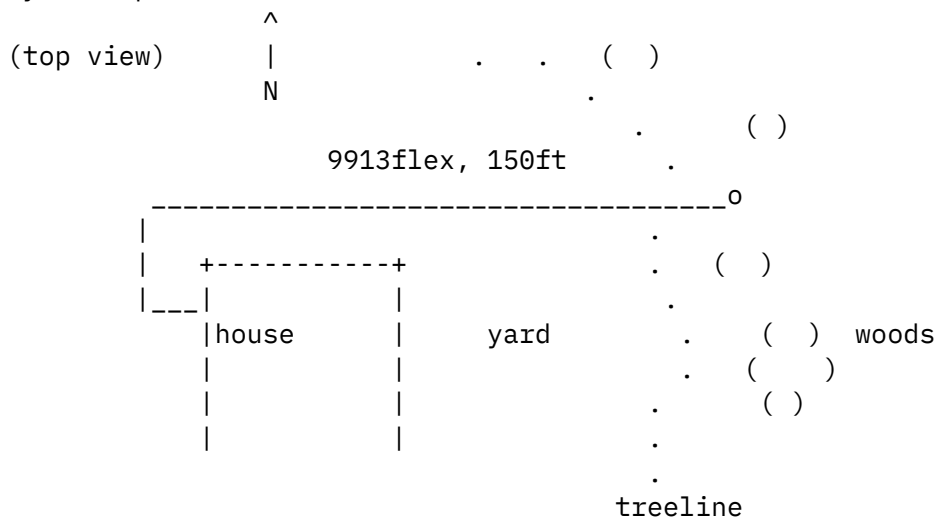
Message-ID: <9511162059.AA06511@us1rmc.bb.dec.com>

Thanks so far to all of you have responded to the Gap question...
...interesting comments so far, most have commented to stick with
the Butternut.

Additional: My reading indicates that there is marginal gain once
you get above six or seven radials. Does your practical experience
indicate the same thing?

And for the Butternut users, how many turns are you using for the
coil across the coax connection? I think this may be my problem
on 80. My manual shows the coil, but not the number of turns.
I think I have 25 at a 1.5" diameter.

My set-up:



80m radial runs due south
40m runs along tree line west-NW
30m runs SE
20m runs NE
15M runs E

Can I run a radial back along the coax to favor west?

b

. - I own my own words -
Bill Acito

acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-arci ... norcal ... arrl life ...

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [133] Where are the on-line semiconductor databases?
Message-ID: <v01510100acd0fb9aa7e5@[132.235.72.11]>

Hello,

Anyone have any WWW addresses for any IC, transistor, FET, etc.
databases? I've got an ethernet connection with Netscape and have found a
few but I thought it might be nice to compare notes!

NEC location: <http://www.nec.co.jp/english/product/semicon/device.html>

Motorola: <http://design-net.com/>

73 de

```
*****
*      NN      N SSSSS 888888 00000   Greg Weinfurtner AEE BSS *
*      N N      N S      8      8 0 0   Electronic Design Splst *
*      N N      N SSSSS 888888 0 0      Ohio University Athens *
*      N      N N      S 8      8 0 0   *
*      N      NN SSSSS 888888 00000   *
*                                          Canst thou send lightnings *
*      Amateur Radio NS80              that they may go and say *
*                                          unto thee, 'Here we are'? *
*      weinfurtner@ouvaxa.cats.ohiou.edu Job 38:35 *
*****
```

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Pat Taber <ptaber@logiccraft.com>
Subject: [151] wouff-hong

Message-ID: <199511161821.NAA35056@nss2.CC.Lehigh.EDU>

Speaking of the ancient and honorable instrument -- the story was supposedly based on a true incident of exceptionally bad sending. Every so often, when time hangs heavy on my hands, I try to figure out what the poor sap in question might really have been trying to send.

It's kind of tantalizing the things you can drag out of it if you consider busted characters and novice-style letter inversions (eg. sending K for R.)

The "hong" part seems to be a signal report. If you take the terminal "g" as a flubbed "K", or maybe someone making up procedure as they go ("G" for "go ahead" like the TTY people do) you can (or I can, anyway) take the "on" as a badly sent "9" and the h as a busted "5".

If you add a lot more imagination and take the hyphen to be a BT, then you can worked back through "f-" to a real dicey "RST" if you accept a K-for-R inversion.

The "wo" of "wouff" could be a "1" in an old-style call (like 1AW) though I don't know what the call might be -- maybe Maxim's own at the time? I don't know what it is. If it could be coerced into the left-over - . . - . then there'd be enough left over to argue for a "UR" giving

1<?><?> UR RST 59 <whatever-g-is>

OK, OK, it gets thinner and thinner as it goes. But it's fun.

>>>==>PStJTT

```
=====
Patrick Taber                Email: ptaber@logiccraft.com
Principal Software Engineer   Phone: (603) 880-0300
Logiccraft Information Services Fax:  (603) 880-7229
22 Cotton Road
Nashua N.H. 03063            Also known as: KC1TD
```

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: David Fifield <fifield@lan.nsc.com>
Subject: [146] Re: 2SC799 Data
Message-ID: <9511161059.AA51476@davef>

--part_ACD0CA270001E248000000004

Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

My Towers International Transistor Selector book gives slightly different data than that supplied by Greg W. I've never known it to be wrong. Here's what I have:

Vcb max = 80V
Vce max = 40V
Veb max = 5V
Ic max = 3A
Tj max = 175 degC
Ptot = 10W
ft min = 75MHz
hfe = 50/90 @ Ib = 150mA

The USA equivalent is given as 2N4877, it's in a T05 package with standard pin out - looking from the bottom of the device, from the tab it's E - B - C case is collector.

--part_ACD0CA270001E248000000004
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

73 de KE6ZBZ (ex G8INR)

Dave Fifield
fifield@lan.nsc.com

--part_ACD0CA270001E248000000004--

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: cebik@UTKVX.UTCC.UTK.EDU
Subject: [176] Re: Another vote for handbook well done.
Message-ID: <Pine.PMDF.3.91.951116202708.543467105A-100000@utkvx.utk.edu>

Just for the record, here are prices for ARRL HBs at 9 year intervals:

1969	\$ 4.00	
1978	8.50	Increase 212.5%
1987	18.00	211.76%
1996	38.00	211.11%

So, you see that the rate of increase is actually coming down. But the 69 and 78 version are just over 600 pages of smaller pages and two columns--less than half the size of the current HB. By the way, the 1930 HB was 218 pages and \$1 paper and \$2.00 hard cover. That 7th edition is

the oldest in my collection.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995

From: "Robert J. Gobrick" <rgobrick@public.compuserult.nf.ca>

Subject: [192] Re: Archives

Message-ID: <199511171327.JAA00992@public.compuserult.nf.ca>

Chuck - does this mean you don't have a UTC time-piece? Pleeeese don't ask the qrp-1 to help you convert UTC to TST (Texas Standard Time)... hi.

73/72 bob VO1DRB/WA6ERB

At 10:42 PM 11/16/95 EST, you wrote:

>

>Gang,

>

>Anyone got a Heath GC-1000? Mine just bit

>the dust today. Displaying 2.0 in the lower

>digits. I can't find the manual anywhere.

>

>After 15 years (I guess) of faithful service

>it decided to give up the ghost. Stills shows

>a lock but no display and the audio is dead.

>

>dit dit

>

>--

>Chuck Adams (K5FO CP-60) adams@sgi.com

>Box 181150, Dallas, TX 75218-8150

>

>

```
-----
| Bob Gobrick VO1DRB/WA6ERB/VE2DRB Newfoundland, Canada |
| QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      bgobrick@terra.nl.net.nf.ca |
|                rgobrick@public.compuserult.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995

From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [147] Re: ARRL Handbook
Message-ID: <Pine.SV4.3.91.951116125515.4038G-100000@atl1>

John, Well, I was kinda in the same boat when I saw the price but here is what turned me around.

- 1) At the recent Lawrenceville Hamfest in Atlanta, a company called RT system was selling the new handbook for \$30 so they are being discounted.
- 2) It includes a nifty software disk which includes among other things a list of a couple million ham distributors.
- 3) There is a bunch of new stuff in there which I guess you can find in your old QSTs for the most part, but it's very handy here.
- 4) I paid \$8 to get into the hamfest and I'll bet I have 4 times more fun with the handbook this year than I had in the three hours at the fest, and it is a real good one.

BTW I think if I could ship one for \$3, I could through my instructors credentials get a bunch for the qrp-l gang at about \$30 in your house. If you are interested, let me know and I'll see if I can pull it off.

AFM(and furthermore) The same company had brand new sealed 1995 handbooks for \$13 so I bought one of those as well as the material was quite different than the 1996.

73/72/jim/w4qo

On Wed, 15 Nov 1995 W3HMS@aol.com wrote:

> Charles.....did you see the new ARRL Handbook for \$38.00! My 1994 is my last
> from ARRL., a society dedicated to supporting us?????, the hams of the US!.
> All hail greed. 73, John W3HMS
>
>

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: tbowman@leba.net
Subject: [170] Re: ARRL Handbook
Message-ID: <199511162317.SAA16855@fig.leba.net>

I just got off the fone with Tracy at RT Systems, 1-800-723-6922. Got their number out of the latest CQ Magazine....They will sell the 1996 ARRL Handbook for \$30 plus shipping, in my case it was another \$4.69 to Pennsylvania by UPS.

Hang of a nice guy, Tracy said he has a fair supply and will continue to sell them at the \$30 price.

Unfortunately, the 1995 handbooks at \$13 are sold out.

BTW, standard disclaimer.
73, Tom WA3REY

<---- Begin Included Message ---->
From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: Re: ARRL Handbook

John, Well, I was kinda in the same boat when I saw the price but here is what turned me around.

- 1) At the recent Lawrenceville Hamfest in Atlanta, a company called RT system was selling the new handbook for \$30 so they are being discounted.
- 2) It includes a nifty software disk which includes among other things a list of a couple million ham distributors.
- 3) There is a bunch of new stuff in there which I guess you can find in your old QSTs for the most part, but it's very handy here.
- 4) I paid \$8 to get into the hamfest and I'll bet I have 4 times more fun with the handbook this year than I had in the three hours at the fest, and it is a real good one.

BTW I think if I could ship one for \$3, I could through my instructors credentials get a bunch for the qrp-1 gang at about \$30 in your house. If you are interested, let me know and I'll see if I can pull it off.

AFM(and furthermore) The same company had brand new sealed 1995 handbooks for \$13 so I bought one of those as well as the material was quite different than the 1996.

73/72/jim/w4qo

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: W3HMS@aol.com
Subject: [178] Re: ARRL Handbook
Message-ID: <951116204800_24775694@emout04.mail.aol.com>

Jim...yes, after what I said I just have to buy one and at \$30.00, I'll keep it for four years and get my moneys worth, HI! 72, 73, John W3HMS

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: pituch@usa.pipeline.com (Steven Pituch)
Subject: [173] RE: ARRL Handbook prices

Page 194 of December QST has a vendor selling the 1996 Handbook for \$25.95 plus \$3.00 shipping. Not a bad deal. A lot better than the \$38.00 list.

72/73,
Steve
--

Steven Pituch, N2MNN PITUCH@USA.PIPELINE.COM
Livingston, New Jersey

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: W3HMS@aol.com
Subject: [182] Re: ARRL Handbook prices
Message-ID: <951116204809_24775921@mail02.mail.aol.com>

Steve....now you're talking! 73, John

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Wynn C C <wyn@stc06.ctd.ornl.gov>
Subject: [196] Re: ARRL Handbook prices

Message-ID: <Pine.OSF.3.91.951117085550.10755B-100000@stc06.ctd.ornl.gov>

Big mark-up on books no doubt. How about a group purchase with a quantity discount of the 1996 ARRL Handbook? Put me down for one. Maybe we could get LC to negotiate the deal with the publisher. If the dealer who listed the 30.00 version is still making a buck, maybe a 30% discount would be in order. How many would we need to sign up to get a bargain rate? We might have to have a single drop with remailing costs involved. Probably should go for 40% discount from publisher.

72/73,
Clay N4AOX
wyn@ornl.gov

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: [199] Re: ARRL Handbook prices
Message-ID: <Pine.SUN.3.91.951117062941.6607B-100000@crl10.crl.com>

No one in business who wants to remain in business can sell you a book for 40% discount. Books have a 40% markup. I use to sell computer books. So the chap selling you the handbook is makeing \$8 at the most. He still has overhead in order to be in business. When I see this type of e-mail... I think some (most) hams are cheap... The will spend thousands for a radio but to cheap to spend \$30 on a book telling them how it works.

On Fri, 17 Nov 1995, Wynn C C wrote:

> Big mark-up on books no doubt. How about a group purchase with a
> quantity discount of the 1996 ARRL Handbook? Put me down for one.
> Maybe we could get LC to negotiate the deal with the publisher.
> If the dealer who listed the 30.00 version is still making a buck,
> maybe a 30% discount would be in order. How many would we need
> to sign up to get a bargain rate? We might have to have a single
> drop with remailing costs involved. Probably should go for 40%
> discount from publisher.

>
> 72/73,
> Clay N4AOX
> wyn@ornl.gov

>
>
>

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [150] Re: Carl & Jerry
Message-ID: <Pine.SV4.3.91.951116131210.4038L-1000000@atl1>

IMOH- Let's get this thread going where it should be. What does this have to do with QRP? Well, all us teens used to build QRP rigs when we were kids, we just didn't know they were anything other than ordinary - you say a DX20 isn't qrp? Have you tried pushing it through a hundred feet of that little bitty 75 ohm twinlead at 15M? Probably about 2 watts came out!

John Frye (can't remember call - W9I??, maybe) wrote C&J. He lived in NW Indiana and was bound to a wheel chair as I recall. He checked into the Indiana phone net when I was a kid with a DX40 on AM. What a hoot! All those big boys could barely hear me but they tried their darnedest!

73/72/jim/w4qo/ex-K9MAF,W2CJC,WA4KKE - Shelbyville, IN 1958-1960

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Stan Skelton <sskelton@cln.etc.bc.ca>
Subject: [139] Re: CMOS III
Message-ID: <Pine.3.89.9511160916.A13127-01000000@sparky>

I would like to see a counter set into the software of the CMOS III so that commands could be sent to it to program a sort of "if then" statementeg: "if message #1 has been sent 4 times then send drop the speed by 5 wpm and send 4 more times"

73's Stan...VE7SKT (not a "wouff hongs" winner)

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [160] Re: Feeling disconnected...
Message-ID: <95Nov16.154538est.14493-1+10@hooch.CC.Lehigh.EDU>

> Here it is 12:10 PM local time 11/16 and I have not received the QRP-L

> digest for 11/15. Did something break?? Guess I'll have to visit the
> archives...

Larry (& Gang),

You're the third person in the past week or so to complain about missing digests. Hmm... I wonder if the other 253 people who subscribe to the digest are getting theirs. Anyway, I don't normally have mailer logging of the type needed to verify deliveries turned on as this mailer delivers to an average of 70,000 recipients daily. But for you guys no job's too small or too large. I'll turn it on and keep several days worth.

If anyone is not receiving their QRP-L fix on a regular basis please e-mail me PRIVATELY as soon as you realize there is a problem. Larry, it looks like you should have received today's digest. I happened to have the logging turned on for another problem. Appended is the log.

73

Jim N3VXI

```
49355# (Connecting to 'inel.gov' [134.20.1.1] Thu Nov 16 09:43:41 1995)
49355r 220 mica.inel.gov INEL-SMTP ready at Thu, 16 Nov 95 07:43:47 MST
49355w EHLO fidoii.CC.Lehigh.EDU
49355r 500 Command unrecognized
49355w HELO fidoii.CC.Lehigh.EDU
49355r 250 mica.inel.gov Hello fidoii.CC.Lehigh.EDU, pleased to meet you
49355# 215377-4: <95Nov16.094312est.215377-4+4@fidoii.cc.lehigh.edu>
49355w MAIL From:<qrp-l@lehigh.edu>
49355r 250 <qrp-l@lehigh.edu>... Sender ok
49355w RCPT To:<lve1@inel.gov>
49355r 250 <lve1@inel.gov>... Recipient ok
49355w DATA
49355r 354 Enter mail, end with "." on a line by itself
49355w .
49355r 250 Mail accepted
49355# 92859 bytes, 535 in header
49355w QUIT
49355r 221 mica.inel.gov delivering mail
49355# (closed SMTP channel - new host)
```

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: LVE1@inel.gov (Larry East)
Subject: [163] Re: Feeling disconnected...
Message-ID: <9511162114.AA07905@garnet.inel.gov>

>

> If anyone is not receiving their QRP-L fix on a regular basis please e-mail
>me PRIVATELY as soon as you realize there is a problem. Larry, it looks like
>you should have received today's digest. I happened to have the logging turned
>on for another problem. Appended is the log.
>

Well, wouldn't you know; not 5 minutes after I posted the message, the
"missing" digest showed up! Must have been a routing problem/delay on the
network, as I could'n connect to ftp.lehigh.edu, or several other sites I
tried. Now everything seems OK. Maybe it has something to do with our
government being "out to lunch." (More so than normal, that is... :-))

72 & thanks --
Larry W1HUE/7

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [141] Re: Fox Tonite
Message-ID: <01HXPJIWAX76014AMN@hub.qgraph.com>

I'm not the fox but I'm generally trolling for qrp qso's jsut before
supper between 23:30 - 01:00 either on 7.100 or 7.040.

Brian AE9K

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [161] RE: Gap Vertical (long)
Message-ID: <n1395588705.48866@msmailgw1.arlut.utexas.edu>

Hi Bill and the group,
To my knowledge, QST did not review the Gap Titan, but some time ago did one
of the earlier, GROUND MOUNTED, Gap verticals. Same for 73 and CQ.

I have had the ELEVATED mount, Gap Titan, for a couple years now. Although
mine is only 6 feet up, in the middle of the back yard, on an old TV mast, I
think the elevation of a vertical makes all the difference in the world.

My operating time has been limited; but goes in spurts, like around the DX
contest, etc.

At any time that the bands appear open, the Titan always works well for me,
and even QRP SSB operations will bring in DX, or rag chews that "hold the

band", I have been told. A variety of rigs have been used, Atlas's, a Kenwood TS 450, Ten Tec Scout, (both at QRP or 50 watts, as until recently; I did not have a heavy duty power supply for the 450.) I also have the MXM 40M and the Ramsey 40M QRP rigs, and will get other kits finished one of these days. I do not use a tuner with the TITAN as Gap does not recommend using a tuner. I have used it on all bands, 80 to 10, with excellent reports, and many comments from the other station that I sounded better than QRP, or the 50 Watts if that was what was being run.

In the FOX contest last Spring, I worked the NC QRP-L folks, and non QRP-L stations along the East coast from here in Central TX. Also, noted I worked into northern Michigan easily, so from that I started to notice the better signal strengths I hear are one hop away or more. I can work Europe when the band opens to there, same for Asia. Also into Argentina, Brazil, etc. In other words, the antenna "listens long". That is not to say short skip is not possible. Over a year ago, I was working short skip into New Mexico on 20M with it and got a call from a station in the lower TX Rio Grande Valley, definitely short skip for 20M! The antenna is competitive on 20M where things are the most hectic if you are not very QRO. On WARC bands, things are much nicer, and you just work everyone you call with it! It gets into Kansas on 80M SSB, even with 50 Watts at night which is a congested time for 80M phone, and 40M has been good as well.

There was no tuning required for assembly, and only a rough measurement for the 40 Meter counterpoise. ..."fold back about two feet of the supplied counterpoise wire, and attach..." Because some of the tubing is triple wall, even with only 25 feet of antenna, the center of weight is higher, and you may need three folks to put it up, along with a sturdy A frame ladder, unless you are side mounting it to a building. There it would have to be on a mast tall enough for the roof to clear the 42 inch radius arms of the counterpoise wheel at the bottom end of the vertical, just above the mounting plate. Remember the weight is also because of the coax stub up inside the upper half of the tubing, and the coax feedline in the part below the "gap" The fed "gap" is not the physical center of the tubing as this class of antenna is "an asymmetrical vertical dipole" as the IEEE said in describing these that are popular in South America for AM broadcast stations, that do not want to put in 120 ground radials.

I had a base fed elevated Hy Gain all band vertical with traps before this Gap; and found the Hy Gain much inferior. It had been bought from an estate and had never been put up before I did. I never got a satisfactory ground on it; which limited its performance. A Counterpoise or radial system is everything to a base fed "quarter wave" type vertical, trapped or not; and even if it is elevated. The Hy Gain was up about as high as the Gap, with its base on a top section of Rohn 25G that was sitting beside the patio. However, the Hy Gain had a shorter and smaller diameter effective radiator, which is a factor in limiting bandwidth. It finally developed high SWR, and I suspect

trap problems; before I retired it in favor of the TITAN.

For NVIS propagation, and short range work, a wire antenna is still useful to me as no one antenna will do everything; but if your main interest is in working out of state and DX like I prefer; the Titan comes close to being the all around antenna. The quality of the fittings is very good; it still looks good after two years, and the stainless screws used in assembly insure no problems from fasteners. They even supplied the nut driver for the screws. The directions were good, and no real test equipment is required other than an SWR meter after you are done, if you are curious. There are no adjustments needed, just hook up the coax from the base to your coax and you are on the air. Being curious, I also measured with an Antenna Analyzer at each step of the assembly to document what resonances were set by what linear decouplers. Very interesting, as the final step of adding the counterpoise wheel after the vertical was put up is what produces 40M resonance. I have speculated that it is more of an inverted capacity hat, with respect, at least, to 40M.

The Titan on 20M SSB was put to good use during the Hurricanes on the United Nations Emergency NET frequency one night. I could hear the Net Control in Calif. very well, and the stations in FL and the East Coast that were trying to relay information to him. The NCS could hear my 100 watts from the 450, and used my station to pick up the traffic from the East coast and FL that he could not copy, even with his beam. That is the nice thing about a vertical in a roundtable or net, you can work all the stations.

I hope this helps you decide. I have friends who had Butternut verticals, and all agree they take a lot of tuning up to work well. I definitely get more than 100 kHz on 80M which is the advertised low SWR range for the TITAN on 80, (it is full bands on all the rest, which is more than the R7 can do); and I know both Butternuts my friends had did not get this much on 80M.

73,
Stuart K5KVH
rohre@arlut.utexas.edu

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: W3HMS@aol.com
Subject: [180] Re: heart palpitation city!
Message-ID: <951116204748_24775432@emout05.mail.aol.com>

LB.....I am glad to hear some good words for the Book as some times the difference between the years is minimal thus \$38 would be a hefty price. But as you suggest, every 3-4 yearsafter revisions....it should be a bargain. 73, John W3HMS

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: W3HMS@aol.com
Subject: [181] Re: heart palpitation city!
Message-ID: <951116204750_24775476@mail04.mail.aol.com>

Yes, sections would be goodor include a weight lifters belt for
hernia protection , HI!....73/72, John

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: pituch@usa.pipeline.com (Steven Pituch)
Subject: [171] Re: HW-8 MODS, & Ade Weiss

On Nov 16, 1995 03:51:40, '"Rick" <rick@dns.enter.net>' wrote:

>Hi,
>I'm in the process of getting a HW-8,it's in the mail to me, and the past
owner
>said the only mod done was a Adrian Weiss(??) mod on the receiver. What
>improvement did that make ?
>Also does any one have a RIT mod for this rig? 72/73 & tnx
>Rick
>N3MHW
>
>
Rick,

On the back cover of Ade Weiss's book "History of QRP" it says:

"Also, HW-8 owners will be interested in reprints of WORSP's series of
classic articles about this popular transceiver, including.....two
articles detailing modifications such as RIT... and... a wattmeter."
Price in 1987 was \$7.00.

I think he wrote for CQ for some years.

His current address is:

Adrian Weiss, WORSP
523 N. Dakota St.
Vermillion, SD 57069

I suggest you write him for current offerings and prices.

Your call sounds familiar. Although I live in East Jersey, I work in Clinton off of RT 78. Did I hear you on the Cherryville repeater?

72/73,
Steve

Steven Pituch, N2MNN PITUCH@USA.PIPELINE.COM
Livingston, New Jersey

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Wynn C C <wyn@stc06.ctd.ornl.gov>
Subject: [194] Re: More on "power caveat"
Message-ID: <Pine.OSF.3.91.951117084149.10755A-1000000@stc06.ctd.ornl.gov>

On Thu, 16 Nov 1995 20:51:32 EST, Mike wrote:

<bunch of good stuff deleted>

>I also checked the signal directly at the collector of the amp. It
>was a typical class C waveform; at the 2.9W level, where WA4KAC runs
>the rig, there was no visible harmonic distortion on the waveform.

What does this mean? If there is no harmonic content here, why is the low pass filter on the output needed? I thought the class C waveform was typically rich with harmonic content. Is there a difference between harmonic content and harmonic distortion? How is harmonic distortion measured on a class C wave form?

My definition has been that HD was departures from a pure tone caused by higher order mixed products, integrally related to the pure tone freq. Not so?

72/73,
Clay N4AOX
wyn@ornl.gov

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Stan Skelton <sskelton@cln.etc.bc.ca>
Subject: [154] Re: more wouff-hong...
Message-ID: <Pine.3.89.9511161123.A4980-0100000@sparky>

Hi Pat...look in the March 1969 QST editorial...maybe there wasn't an S on the end....
73's Stan...VE7SKT (not a "wouff hong" winner)

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [145] Re: Radio Shack DSP
Message-ID: <Pine.SV4.3.91.951116124840.4038F-100000@atl1>

I do not own one of these and I really like a lot of the R/S stuff but maybe you should check out the review about 4 months back in 73 magazine before you buy. They do have a pretty liberal return policy and you could buy a new one and try it, if you are comfortable in that mode. The review gave it a so-so rating.

73/72/jim/w4qo

On Wed, 15 Nov 1995, Charles Cashion wrote:

> QRP-ers:
> Somebody posted an article this afternoon (15 November) regarding the
> Radio Shack DSP. In essence: (1) it was a big help and (2) Radio Shack
> currently has them marked down some percentage.

>
> Would somebody remind me of the name/e-mail-address of that person.
> Charles
> --
> + - - - - - +
> | Charles Cashion w.214-519-2583 h.214-881-0952 |
> | ARRL NorTex#116 NorCal#1320 ex-W5ISZ |
> + - - - - - +
>
>

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: CQC@aol.com
Subject: [174] Re: Rave Review
Message-ID: <951116182452_85395623@mail02.mail.aol.com>

This is in response to Bob Gobrick's comments about the Colorado QRP Club Low Down and the series by Paul Harden, NA5N.

Bob wrote, "I just hope that Rich plans on talking Paul into publishing a "book" (or manual) on his writings. "

Yes, the CQC will be publishing a book on this series as well as a lot of other helpful items for QRPers and homebrewers of all kinds. Lots of fantastic "data sheets" similar the the ones in the Low Down series. I have some of these sheets and believe me, you'll love it.

We expect it to be the same overall size as the Low Down (Same as QRPP, Sprat and others) and spiral bound so it will lay open on the workbench and make it very easy to use as a reference guide.

No price has been set so far. Funds from these books will be used to get a club project off the ground. More about that later.

I will put information on qrp-1 when it is ready to go. If you would like info on it by mail when it is ready, please send a s.a.s.e. to: CQC - QRP Book 740 Galena Street, Aurora, CO 80010-3922.

Tnx and 72,
Rich High W0HEP
President and Editor
Colorado QRP Club
Email: CQC@aol.com

Life's too short for \$800 finals!
Heck, life's just too short!

Note: I do not get the qrp-l digest directly although I do get a weekly hard copy. Any replies should be sent to CQC@aol.com .

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [157] Re: RUN QRP-L X calls2dist urcall call2
Message-ID: <199511161800.SAA27864@chuck.dallas.sgi.com>

Warning: the RUN QRP-L X CALLS2DIST only works for calls that are in the FCC database. Until someone comes up with the entire world's database for all hams and all cities in the world geo database, we have to do the remainder by using the GC command.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Fri Nov 17 17:13:00 1995
From: listserv@lehigh.edu
Subject: RUN QRP-L X calls2dist w4qo n3frt

Output from stdout:

W4QO ZIP = 30075
N3FRT QTH = HASLACH, ROBERT D
5516 NEBRASKA AVE NW
WASHINGTON DC 20015

W4QO Lat/Long = 34 01 23 N 84 21 42 W
N3FRT Lat/Long = 38 53 42 N 77 02 12 W

Output from "gc 34.0138N84.2170W 38.5370N77.0220W":

Bearing is 48 Degrees for 458 Nautical Miles = 528 Miles = 849 Km

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Frank G3YCC <frank@yorks.demon.co.uk>
Subject: [190] Re: Signing QRP
Message-ID: <SuDZrEAqv4qwEwIN@yorks.demon.co.uk>

In message <ec91fbf0@acxiom.com>, RHILTO@acxiom.com writes

>
>>As I've said before, UK amateurs are NOT ALLOWED by the licensing
>>authority to use /QRP ... it is permissible to use G3YCC <space> QRP.
>>The / sign must only be used for /M /P etc., as defined in the
>>licence. Yes, I know the US has different legislation, but that is
>>the fact as far as we are concerned in Britain.

>
>>Frank G3YCC (G QRP 042)

>
>
>If by some miracle my signal was readable in G-land, could you answer
>my CQ with "ki5ez/qrp de g3ycc" ? Since my license doesn't include
>the "/qrp" are you allowed to include it in your transmission?

>
>Just wondering...

>
>7.3, ki5ez
>Bob

>
I suppose so Bob, what you send is up to you and so I think I can
include it, but i would have to use KI5EZ/QRP de G3YCC <space> QRP! Daft
isn't it? I worked two US stations today on 14060 with QRP both ways,
time around 1400 - kC1DI and WB3JJJ (G QRP CLUB) - GREAT!
Work You one day perhaps ...

72/3

--

Frank G3YCC (G QRP 042)
Email: frank@yorks.demon.co.uk

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: dsa@apollo.hp.com
Subject: [136] Re: Where are the on-line semiconductor databases?
Message-ID: <199511161630.LAA68479@nss2.CC.Lehigh.EDU>

> Anyone have any WWW addresses for any IC, transistor, FET, etc.
>databases? I've got an ethernet connection with Netscape and have found a
>few but I thought it might be nice to compare notes!

Take a look at...

<http://motserv.indirect.com/home2/mothome.html>

It has product data for Motorola components. It includes links to their Master Selection Guide, Price & Product Guide and Data Library. I've used this link in the past. If you have a FAX it can auto-FAX you the technical specs, etc. Pretty cool!

-Dale

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [143] Re: wouff hong ???
Message-ID: <Pine.SV4.3.91.951116124318.4038E-100000@atl1>

I am an inductee of the Royal Order of the Wouff Hong. As are many others. Why do you think CW still remains so popular among many hams? It is not much fun trying to work phone without any teeth and drooling all the time! Oh gosh, I shouldn't have added that last part. Let's see ^C cancels the message. Whew.. for a minute there I thought this message might get out to the list... Close call...

73/72/jim/w4qo

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Mike White <mpw@chensys.com>
Subject: [132] Re: XYL,It's all in the approach
Message-ID: <9511161529.AA18976@puma.chensys.com>

At 09:19 AM 11/16/95 EST, you wrote:

>Gee You Guys,

>

>After reading all this stuff about XYL complaints about ham radio,

>"I gotta tell ya", that it is all in the approach.

I haven't had a problem yet... my shack is even in my kitchen,
ON the kitchen table...

The shack was in basement, and I'd usually go down there in the morning and futz around. In the winter time, it usually gets to be about 62 degrees down there. Needless to say, after about an hour down there, my feet would get a little chilly; the logical thing to do: hop into the nice warm bed

and put my feet on the XYL.

Like I said, I've moved up into the kitchen.

She even likes the QRP+: we get to see the inlaws more, and I don't seem to mind as much - although I do seem to spend alot of time plugged into 'that little radio.'

-Mike

--

Mike White Chen Systems Corporation
N9UXC voice:715/833-7067
 fax :715/833-7096
<http://www.chensys.com>

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [137] Re: XYL,It's all in the approach
Message-ID: <9511161630.AA10111@voder.nsc.com>

Excellent story, Ernie.

I don't know the source but I heard it
this way:

XYL's friend: "Doesn't it bother you, dear,
that he's always in his work shop, playing
with his radios?"

XYL: "Are you kidding? I know right where he
is, and if I need him, he's got a screwdriver
in his hand."

=====

7.3 de Michael aa0ub	QRP:
miker@cc.com Norcal #857 CQC #180	"UR HB 5W FB HR 72"

=====

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995

From: W3HMS@aol.com
Subject: [179] Re: XYL,It's all in the approach
Message-ID: <951116204753_24775524@emout06.mail.aol.com>

Ernie.....you are dead and in heaven, HI! 73, John, W3HMS

From qrp-1@lehigh.edu Fri Nov 17 17:13:00 1995
From: Duane Anderson <dandersn@ix.netcom.com>
Subject: [185] Re: XYL,It's all in the approach
Message-ID: <30AC03BA.505B@ix.netcom.com>

Hi guy's! This XYL got smart and became a ham also. It's amazing what happens when the OM says "If you pass your tests, I'll buy you a radio!" I told him to start saving. One month later I passed my no-code and made him own up to his promise/challenge. Now I'm helping out on the weekly net providing club information and announcements. I'm also the Registration Chairman for WIMU a four state amateur radio convention (Wyoming, Idaho, Montana and Utah). Hey wives, if you can't beat 'em, join 'em. It's much more fun now that we are involved together!!!

If you want more info on our convention see our home page at:

<http://www.xmission.com/~mistral/WIMU96.html>

There is also a registration page that you can print, fill out and mail to us. All the info is there.

73's

DeAnna Anderson, KC7ISG